COPY OF PAPE:.. ORIGINALLY FILEL

DECLARATION AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship is as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "PROBE DEVICE FOR DETERMINING CHANNEL INFORMATION IN A BROADBAND WIRELESS SYSTEM" the specification of which was filed on 10/17/2001, as Application No. 09/981,015 and was amended herewith or, if not identified here by filing date and application number, is attached hereto. I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56(a). I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed:

Application No.	in	on	priority cl	laimed() Yes()	No
Application No.	in	on	priority cl	laimed () Yes ()	No
Application No.	in	on	priority cl	laimed () Yes ()	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

60/241,048	10/17/00	Pending
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I hereby appoint, individually and collectively, the practitioners associated with the Customer Number provided below as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

COST CHILLIANT CHILDREN	020007

SEND CORRESPONDENCE TO:

CUSTOMER NUMBER: 028004

CUSTOMER NUMBER: 028004

Attn: Harley R. Ball Sprint Law Department 8140 Ward Parkway Mailstop: MOKCMP0506 Kansas City, Missouri 64114

ATTORNEY (CONTACT:	Michael J. Setter Phone: (303) 546-1300 Fax: (303) 449-5426
SOLE OR JOI	NT INVENTOR	
Inventor (1)	Steve Dispensa (Type or Print)	(Signature in Full)
Citizenshıp: Post Office Ad	United States of America dress: 5601 W. 133rd Terrace, Sha	Date: 7 / 2 - 07 wnee Mission, KS 66209-4053
Residence:	5601 W. 133rd Terrace, Shawn	ee Mission, KS 66209-4053
SOLE OR JOI	NT INVENTOR	
Inventor (2)	John Spaeth (Type or Print)	(Signature in Full)
Citizenship:	United States of America	Date:
Post Office Ad	dress: 10929 Bales Avenue,	Kansas City, MO 64137
Residence: 10929 Bales Avenue, Kansas City, MO 64137		
SOLE OF TOT	NT INVENTOR	1 22 11/
Inventor (3)	Jason M. Sloderbeck (Type or Print)	(Signature in Fulfi)
Citizenship:	United States of America	Date: 2/11/02
Post Office Ad	dress: 1018 Broadway Road, #304	, Kansas City, MO 64105
	8 Broadway Road, #304, Kansas C	

SOLE OR JOI	NT INVENTOR			
Inventor (4)	James Landon (Type or Print)	(Signature in Full)		
Citizenship:	United States of America	Date:		
Post Office Address: 8437 Carter Street, Overland Park, KS 66212				
Residence:	8437 Carter Street, Overland Park, KS 66212			

DECLARATION AND FOWERS OF ATTORNEY

CRIGINALLY FILE

As a below named inventor, I hereby declare that my residence, post office address and citizenship is as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "PROBE DEVICE FOR DETERMINING CHANNEL INFORMATION IN A BROADBAND WIRELESS SYSTEM" the specification of which was filed on 10/17/2001, as Application No. 09/981,015 and was amended herewith or, if not identified here by filing date and application number, is attached hereto. I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56(a). I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed:

Application No.	in	on	priority claimed () Yes () No
Application No.	in	on	priority claimed () Yes () No
Application No.	in	on	priority claimed () Yes () No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

60/241.048	10/17/00	Pending
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I hereby appoint, individually and collectively, the practitioners associated with the Customer Number provided below as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

CUSTOMER NUMBER: 028004

SEND CORRESPONDENCE TO:

CUSTOMER NUMBER: 028004

Attn: Harley R. Ball Sprint Law Department 8140 Ward Parkway Mailstop: MOKCMP0506 Kansas City, Missouri 64114

Citizenship:

Residence:

Post Office Address: 8437 Carter Street, Overland Park, KS 66212

8437 Carter Street, Overland Park, KS 66212

ATTORNEY CONTACT:

Michael J. Setter

Phone: (303) 546-1300 (303) 449-5426 Fax:

SOLE OR JOINT INVENTOR Steve Dispensa Inventor (1) (Signature in Full) (Type or Print) Date: United States of America Citizenship: Post Office Address: 5601 W. 133rd Terrace, Shawnee Mission, KS 66209-4053 5601 W. 133rd Terrace, Shawnee Mission, KS 66209-4053 Residence: SOLE OR JOINT INVENTOR Jonathon Spaeth Inventor (2) (Signature in Full) (Type or Print) 6/12/02 United States of America Citizenship: 2205 Cottage Grove, Cleveland, OH 44118 Post Office Address: 2205 Cottage Grove, Cleveland, OH 44118 Residence: SOLE OR JOINT INVENTOR Jason M. Sloderbeck Inventor (3) (Signature in Full) (Type or Print) United States of America Citizenship: Date: Post Office Address: 1018 Broadway Road, #304, Kansas City, MO 64105 Residence: 1018 Broadway Road, #304, Kansas City, MO 64105 SOLE OR JOINT INVENTOR James Landon Inventor (4) (Signature in Full) (Type or Print) Date:_ United States of America

ARAGENON AND POWERS OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship is as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "PROBE DEVICE FOR DETERMINING CHANNEL INFORMATION IN A BROADBAND WIRELESS SYSTEM" the specification of which was filed on 10/17/2001, as Application No. 09/981,015 and was amended herewith or, if not identified here by filing date and application number, is attached hereto. I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR 1.56(a). I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate by me or my representatives or assigns for this invention having a filing date before that of the application on which priority is claimed:

Application No.	in	on	priority claimed	()Yes()No
Application No.	in	on	priority claimed	() Yes () No
Application No.	in	on	priority claimed	() Yes () No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

60/241,048	10/17/00	Pending
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status-patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I hereby appoint, individually and collectively, the practitioners associated with the Customer Number provided below as my/our attorney or agent with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

CUSTOMER NUMBER: 028004

SEND CORRESPONDENCE TO:

CUSTOMER NUMBER: 028004

Attn: Harley R. Ball Sprint Law Department 8140 Ward Parkway Mailstop: MOKCMP0506 Kansas City, Missouri 64114

14 il. 3

m

Residence:

ATTORNEY CONTACT

Michael J. Setter

Phone: (303) 546-1300 Fax: (303) 449-5426

SOLE OR JOINT	SOLE OR JOINT INVENTOR				
Inventor (1)	Steve Dispensa (Type or Print)	(Signature in Full)			
Citizenship Post Office Addre	United States of America ess: 5601 W 133rd Terrace, Shawne	Date:e Mission, KS 66209-4053			
Residence:	5601 W. 133rd Terrace, Shawnee M	assion, KS 66209-4053			
SOLE OR JOINT	r INIVENTOR				
SOLE OR JOIN	INVENTOR				
Inventor (2)	John Spaeth (Type or Print)	(Signature in Full)			
Citizenship:	United States of America	Date:			
Post Office Addr	ess: 10929 Bales Avenue, Kans	sas City, MO 64137			
Residence:	10929 Bales Avenue, Kansas City, I	MO 64137			
SOLE OR JOIN	SOLE OR JOINT INVENTOR				
Inventor (3)	Jason M. Sloderbeck (Type or Print)	(Signature in Full)			
Citizenship:	United States of America	Date:			
Post Office Address: 1018 Broadway Road, #304, Kansas City, MO 64105					
Residence: 1018 Broadway Road, #304, Kansas City, MO 64105					
SOLE OR JOINT INVENTOR					
Inventor (4)	James Landon (Type or Print)	(Signature in Full)			
Citizenship:	United States of America	Date: 2-19-2002			
Post Office Address: 8437 Carter Street, Overland Park, KS 66212					

8437 Carter Street, Overland Park, KS 66212